

**Chemistry**  
**Chapter 5 Review**

List the six allotropes of carbon.

a.

b.

c.

d.

e.

Under what conditions will a substance conduct electricity?

Give examples of allotropes.

Name five compounds and identify each as either ionic or molecular.

What is the formula for a dehydrate of sodium chloride?

What is the formula if it loses one molecule of hydration?

What is the formula for lithium carbide octahydrate?

What is the formula if it becomes anhydrous?

How are oxidation numbers determined?

What is a formula unit?

How many atoms of each element are present in three formula units of calcium acetate dehydrate?

ALSO: Know vocabulary and how to write formulas for binary compounds, polyatomic ionic compounds, hydrates, inorganic compounds, allotropes, etc.